

WILLIAM DICK LAGOONS SITE
ADMINISTRATIVE RECORD FILE *
INDEX OF DOCUMENTS

I. SITE IDENTIFICATION

1. Report: Report of Analysis, West Caln Township Chemical Lagoons, prepared by Lancaster Laboratories, Inc., 8/12/66. P. 100001-100008.
2. Letter to Mr. Robert Gawthrop, Jr., Gawthrop and Greenwood, from Mr. William D. Sitman, Roy F. Weston, re: Transmittal of wastewater analysis, 10/28/66. P. 100009-100011. The wastewater analysis is attached.
3. Letter to Mr. Robert Gawthrop, Jr., Gawthrop and Greenwood, from Mr. Earl H. Hess, Lancaster Laboratories, re: Chemical waste sample analysis, 7/28/67. P. 100012-100014.
4. Letter to Mr. Robert Gawthrop, Jr., Gawthrop and Greenwood, from Mr. C. Robert Graham, Lancaster Laboratories, Inc., re: Chemical sample analysis, 12/20/68. P. 100015-100016.
5. Handwritten letter to Mr. Cahill, from Mrs. Peter Pernazza, re: Request for water testing, 4/70. P. 100017-100019.
6. Memorandum to Mr. Carlyle W. Westlund, Commonwealth of Pennsylvania Department of Health, from Mr. Charles Rehm, Commonwealth of Pennsylvania Department of Health, re: Hydrogeological field investigation, 5/20/70. P. 100020-100025. Three pages of handwritten notes on discharges and a transmittal letter are attached.
7. Letter to Mr. William Dick, from R.W. Sawyer, Commonwealth of Pennsylvania Department of Health, re: Violation of clean streams law, 5/29/70. P. 100026-100026.
8. Letter to Mr. E.W. Sayer, Pennsylvania Department of Health, from Mr. Robert S. Gawthrop, Gawthrop & Greenwood, re: Response indicated violation of the Clean Streams Law, 6/8/70. P. 100027-100027.

* Administrative Record file available 5/24/90, updated 7/30/90, 1/24/91, 2/19/91, 7/5/91, and 7/1/92.

9. Water or Waste Quality Reports, 7/28/70.
P. 100028-100030.
10. Handwritten chronology of actions at W. Dick Lagoons,
4/13/62 - 7/29/70. P. 100031-100034.
11. Complaint in Equity in the Court of Common Pleas,
Dauphin County, Pennsylvania, 9/1/70. P. 100035-
100037.
12. Order for a Preliminary Injunction, in the Court of
Common Pleas, Dauphin County, Pennsylvania, 9/4/70.
P. 100038-100038.
13. Letter to Mr. Thomas Cahill, Chester County Health
Department, from Mr. Bruce W. Lium, U.S. Department of
the Interior, re: Observations of aquatic life at
Brandywine Creek and Birch Run Creek, 9/8/70.
P. 100039-100040.
14. Stipulation restraining William Dick and Chemical
Leaman from dumping industrial waste, 9/10/70.
P. 100041-100041.
15. Letter to Mr. C. Timothy Slack, City of Coatesville,
from Ms. Patricia S. McLaughlin, re: Sample results
from Dick Lagoon, 9/11/70. P. 100042-100043.
16. Memorandum to Mr. Carl L. Mease, from Mr. C.T.
Beechwood, re: Monitoring of lagoons, 9/11/70.
P. 100044-100044.
17. Letter to Mr. Morris Holman, Chemical Leaman Tank
Lines, Inc., from Mr. Joseph Markind, Roy F. Weston,
re: Transmittal of analytical data, 9/22/70.
P. 100045-100048. The data summaries for 9/14/70 -
9/16/70 are attached.
18. Letter to Mr. William Dick from E.W. Sayer, re:
Request for information about waste liquid, 9/24/70.
P. 100049-100049.
19. First page of letter to Mr. E.W. Sayer, Commonwealth of
Pennsylvania Department of Health, from Gawthorp and
Greenwood, re: Pending equity action and response to
request for information, 9/28/70. P. 100050-100050.
20. Stipulation for continuance in the Court of Common

Pleas of Dauphin County, Pennsylvania, 10/1/70.
P. 100051-100051.

21. Memorandum to Mr. Carl L. Mease, Commonwealth of Pennsylvania Department of Health, from Mr. Carlyle W. Westlund and F. Glade Loughry, Commonwealth of Pennsylvania Department of Health, re: Hydrogeologic and soil fields investigation, 10/8/70. P. 100052-100053.
22. Letter to Mr. Morris Holman, Chemical Leaman Trucking Lines, from Mr. Earl H. Hess, Lancaster Laboratories, Inc., re: Chemical analyses and bioassay, 10/9/70. P. 100054-100056.
23. Letter to Mr. Donald A. Lazarchik, Commonwealth of Pennsylvania Department of Health, from Mr. Francis J. O'Gorman, Jr., Metzger, Hafer, Keefer, Thomas and Wood, re: Transmittal of gallonage estimate and waste water treatment proposal, 10/16/70. P. 100057-100064. The letter, a handwritten waste water analyses, and the proposal are attached.
24. Letter to Mr. Morris Holman, Chemical Leaman Trucking Lines, from Minu Bhagat and Mr. Earl H. Hess, Lancaster Laboratories, Inc., re: Treatability studies and raw waste analysis, 10/23/70. P. 100065-100068. A chemical analysis table is attached.
25. Letter to Mr. Donald A. Lazarchik, Department of Health, from Mr. Thomas H. Cahill, re: Comments on waste water treatment proposal, 10/29/70. P. 100069-100070.
26. Memorandum to Mr. Carl L. Mease, Commonwealth of Pennsylvania Department of Health, from Mr. Donald A. Lazarchik, Commonwealth of Pennsylvania Department of Health, re: Additional information for waste water treatment proposal, 11/13/70. P. 100071-100072.
27. Letter to Mr. Francis J. O'Gorman, Jr., Metzger, Hafer, Keefer, Thomas, and Wood, from Mr. Carl L. Mease, re: Request for submittal of information, 11/16/70. P. 100073-100074.

28. Letter to Mr. William Dick and Chemical Leaman Tank Lines from Mr. Donald A. Lazarchik, Commonwealth of Pennsylvania Department of Health, re: Approval of proposal to treat industrial waste water, 11/30/70. P. 100075-100076.
29. Memorandum to Mr. Carl L. Mease, Assistant Attorney General, Commonwealth of Pennsylvania, from F. Glade Loughry and Mr. Carlyle Westlund, re: Inspection of repaired section of berm, 11/30/70. P. 100077-100078.
30. Letter to Mr. Donald A. Lazarchik, Commonwealth of Pennsylvania Department of Health from Mr. Daniel T. Flaherty, Jr., Chemical Leaman Tank Lines, Inc., re: Transmittal of revised addendum of conditions, 12/23/70. P. 100079-100080. The addendum is attached.
31. Letter to Mr. Donald R. [sic] Lazarchik, Commonwealth of Pennsylvania Department of Health, from Mr. Robert S. Gawthrop, Jr., Gawthrop and Greenwood, re: Transmittal of drawings, 12/30/70. P. 100081-100081.
32. Letter to Mr. Edward Hocker, West Caln Township Board of Supervisors, from Mr. Donald A. Lazarchik, re: Observation of Leaman tankers, 1/27/71. P. 100082-100082.
33. Waste inspection reports and water or waste quality reports prepared by the Commonwealth of Pennsylvania Department of Health, 4/22/71 to 9/20/72. P. 100083-100097.
34. Letter to Mr. Robert D. Kaiser, U.S. EPA, from Ms. Patricia S. Emerato, re: Conditions at William Dick Lagoons, 6/3/71. P. 100098-100099.
35. Letter to Mr. Carl L. Mease, Department of Health, from Mr. Francis J. O'Gorman, Jr., Metzger, Hafer, Keefer, Thomas, & Wood, re: Verification of status of lagoons, 10/18/71. P. 100100-100100.
36. Memorandum to Mr. Carl L. Mease, Commonwealth of Pennsylvania Department of Health, from Commonwealth of Pennsylvania Department of Environmental Resources, re: Withdrawal of court action, 11/17/71. P. 100101-100101.
37. Letter to Mr. Francis I.S.J. O'Gorman, Jr., from Mr. Carl L. Mease, Commonwealth of Pennsylvania Department

- of Environmental Resources, re: Grading and seeding, 11/23/71. P. 100102-100102.
38. Memorandum to Mr. Arthur K. Sipple, U.S. EPA, from Mr. Ernest F. Giovannetti, Water Quality Management, re: Backfilling of lagoons and transmittal of photograph, 2/29/72. P. 100103-100103.
 39. Letter to Mr. William Dick from Mr. Richard A. Carson, re: Unsatisfactory revegetation conditions, 9/20/72. P. 100104-100104.
 40. Letter to Mr. Richard A. Casson [sic], Department of Health, from Mr. Harry S. Elston, Chemical Leaman Tank Lines, Inc., re: Planting of rye-grass, 9/27/72. P. 100105-100105.
 41. Letter to Mr. Daniel T. Flaherty, Jr., Chemical Leaman Tank Lines, Inc., from Mr. Francis J. O'Gorman, Jr., Metzger, Hafer, Keefer, Thomas, & Wood, re: Seeding requirement, 10/2/72. P. 100106-100106.
 42. Letter to Mr. John Schmidt, Division of Industrial Wastes and Erosion Control, from Mr. Walter Leuchak, re: Adequacy of vegetative cover, 11/24/72. P. 100107-100108.
 43. Memorandum to Mr. Hershel Richman, from Mr. Richard Pfaehler, re: Deletion of William Dick Lagoons from active facilities list, 2/14/73. P. 100109-100109.
 44. Field Trip Summary Report, 1981. P. 100110-100112.
 45. Letter to Mr. William Dick, from Mr. Charles R. Wood, U.S. Department of The Interior-Geological Survey (USGS), re: Transmittal of well sampling results, 1/11/82. P. 100113-100117. The results are attached.
 46. Hazardous Waste Site Identification and Preliminary Assessment, 9/11/84. P. 100118-100121.
 47. Letter to Mr. Richard Armstrong, Jr., from Ms. Laura A. Boornazian, re: Transmittal of analytical sampling results, 8/27/85. P. 100122-100122.
 48. Memorandum to Ms. Laura Boornazian, U.S. EPA, from Mr. Richard Brunker, U.S. EPA, re: Assessment of sample

data summary of William Dick Lagoons contamination,
9/23/85. P. 100123-100124.

49. Letter to Ms. Agnes Kusnierczyk, from Ms. Laura A. Boornazian, re: Transmittal of sample data summary, site map and evaluation of health risks, 9/24/85. P. 100125-100125.
50. Letter to Mr. Michael Timmons, from Ms. Laura A. Boornazian, re: Transmittal of sample data summary, site map, and evaluation of health risks, 9/24/85. P. 100126-100126.
51. Letter to Mr. John Gregor from Ms. Laura A. Boornazian, re: Transmittal of sample data summary, site map, and evaluation of health risks, 9/24/85. P. 100127-100127.
52. Letter to Ms. Janet Hilton, from Ms. Laura A. Boornazian, re: Transmittal of sample data summary, site map, and evaluation of health risks, 9/24/85. P. 100128-100128.
53. Letter to Mr. William Lease, from Ms. Laura A. Boornazian, U.S. EPA, re: Transmittal of sample data summary, site map, and evaluation of health risks, 9/24/85. P. 100129-100129. Handwritten comments are attached.
54. Letter to Ms. Laura Boornazian, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, re: Transmittal of information on former lagoon contents, 10/10/85. P. 100130-100131.
55. Report: Target Population Study Report: William Dick Lagoons, prepared by NUS Corporation Superfund Division, 12/12/85. P. 100132-100209.
56. Hazardous Ranking System report for William Dick Lagoons, prepared by Ms. Diane DeNardo, NUS Corporation, 2/18/86. P. 100210-100383. A reference packet for William Dick Lagoons is attached.
57. Report: Site Inspection of William Dick Lagoons, prepared by NUS Corporation Superfund Division, 2/25/86. P. 100384-100670.
58. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Judy Manley, Techlaw, Inc., re: Transmittal of background files on William Dick Lagoons from Chester County

Health Department, 3/20/87. P. 100671-100671.

59. List of Homes sampled on 5/21/87 by Weston Sper at the William Dick Lagoons Site. P. 100672-100673.
60. Memorandum to Mr. Michael Zickler, U.S. EPA, from M. Tucker, T. Catanese, M. Lucca, and C. MacBeth, Weston Sper, re: Residential well water sampling results, 5/22/87. P. 100674-100702. The following are attached:
 - a) a listing of residential well sampling information;
 - b) a site location map;
 - c) 23 well data sheets;
 - d) a chain of custody record.
61. Memorandum to Mr. Michael Zickler, U.S. EPA, from Mr. Mark Tucker, Weston Sper, re: Analytical results of water samples, 6/24/87. P. 100703-100703.
62. Memorandum to Mr. Michael Zickler, U.S. EPA, from Bhupi Khona, Weston Sper, re: Volatile organics water sample analysis, 7/13/87. P. 100704-100704.
63. Memorandum to Mr. Michael Zickler, U.S. EPA, from Bhupi Khona, Weston Sper, re: Pesticide and PCB analysis of water samples, 7/15/87. P. 100705-100705.
64. Memorandum to Mr. Michael Zickler, U.S. EPA, from Ms. Tracy Catanese, Weston Sper, re: Transmittal of analytical results of residential well samples, 7/20/87. P. 100706-100709. Two memoranda regarding well sample analysis and a summary of analytical results are attached.
65. Preliminary Health Assessment for William Dick Lagoons, Honeybrook, Pennsylvania, prepared by U.S. Public Health Service, 9/30/88. P. 100710-100714.

II. REMEDIAL ENFORCEMENT PLANNING

1. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Response to request for information on involvement with William Dick Lagoons, 8/10/87. P. 200001-200004.
2. Letter to Mr. Richard Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Approval of scope of work for Remedial Investigation/ Feasibility Study/Endangerment Assessment of the William Dick Lagoons, 2/23/88. P. 200005-200031. The scope of work is attached.
3. Memorandum to Mr. James M. Seif, U.S. EPA, from Mr. Stephen R. Wassersug, U.S. EPA, re: Transmittal of Administrative Consent Order, 9/12/88. P. 200032-200033.
4. Administrative Order by Consent In The Matter of: William Dick Lagoons Site, Docket No. III-88-43-DC, 9/14/88. P. 200034-200049.

III. REMEDIAL RESPONSE PLANNING

1. Notification of Hazardous Waste Site for William Dick Lagoon, 6/8/81. P. 300001-300002.
2. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Expression of interest in participating in RI/FS, 7/28/87. P. 300003-300004.
3. Handwritten list of attendees, ERM Presentation Meeting, 12/18/87. P. 300005-300005.
4. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Outline of procedures of interest to conduct RI/FS, 1/14/88. P. 300006-300032. A Scope of Work for Remedial Investigation/Feasibility Study/Endangerment Assessment is attached.
5. Letter to Mr. Richard Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Approval of Scope of Work for Remedial Investigation/Feasibility Study/ Endangerment Assessment, 2/26/88. P. 300033-300033.
6. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Status of submittal of RISOP, 5/25/88. P. 300034-300035. A letter is attached.
7. Letter to Mr. Richard Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: RI/FS Site Operations Plan, 8/4/88. P. 300036-300036.
8. Letter to Ms. Susan Gilliland, Environmental Resources Management, Inc.(ERM, Inc.), from Mr. Jack Kelly, U.S. EPA, re: RISOP for the William Dick Lagoons, 9/8/88. P. 300037-300037.
9. Letter to Mrs. Susan Gilliland, ERM, Inc., from Mr. Jack Kelly, U.S. EPA, re: Remaining comments on RISOP, 9/16/88. P. 300038-300038.
10. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines Inc., from Mr. Jack Kelly, U.S. EPA, re: Clarification of Health Assessment and scheduling deadlines, 10/17/88. P. 300039-300040.

11. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: RI/FS Work Plan, 11/9/88. P. 300041-300044.
12. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Gregg Crystall, U.S. EPA, re: notification that the U.S. EPA had not received the RISOP, 12/9/88. P. 300045-300046.
13. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Susan K. Gilliland, ERM, re: Transmittal of the Remedial Investigation Site Operations Plan, 12/15/88. P. 300047-300519. The plan is attached.
14. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Notification of formal EPA approval of discussed changes, 12/30/88. P. 300520-300520.
15. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: December Monthly Report Oversight Activities at the William Dick Lagoons Site, 1/20/89. P. 300521-300597. The report is attached.
16. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Formal approval of Final Remedial Investigation Site Operations Plan, 2/13/89. P. 300598-300599.
17. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Bruce R. Pluta, CDM Federal Programs Corporation, re: January Monthly Oversight Report, 2/17/89. P. 300600-300645. The report is attached.
18. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Bruce Pluta, CDM Federal Programs Corporation, re: February Monthly Oversight Report, 3/22/89. P. 300646-300703. The report is attached.
19. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Submission of Progress Report for the past five months, 4/13/89. P. 300704-300708.
20. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Explanation of work delay, 4/13/89. P. 300709-300710.
21. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank

Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re:
Reaction to letters dated 4/13/89, 5/2/89.
P. 300711-300713.

22. Letter to Mr. Jim LaRegina, ERM, Inc., from Mr. Jack Kelly, U.S. EPA, re: Monitoring Well Round Two Sampling, 5/17/89. P. 300714-300715.
23. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Bruce R. Pluta, CDM Federal Programs Corporation, re: Notification of Final Letter Report, 6/14/89. P. 300716-300719. The report is attached.
24. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Sampling observations and recommendations, 7/7/89. P. 300720-300722.
25. Letter to Mr. Jim LaRegina, ERM, Inc., from Mr. Jack Kelly, U.S. EPA, re: Bio-Assessment work, 8/1/89. P. 300723-300723.
26. Memorandum to C. Bandoian, E. Borbely, J. Harrison, R. Baker, R. Streeter, ERM, Inc., from Mr. Jim LaRegina, The ERM Group, re: Preliminary RI Data Tables, 8/11/89. P. 300724-300812. The tables are attached.
27. Handwritten meeting list of attendees, 9/6/89. P. 300813-300813.
28. Agenda of the Project Status Meeting, 9/6/89. P. 300814-300830. The following are attached:
 - a) a Draft: Phase II-Remedial Investigation Work Plan Outline;
 - b) two maps of former lagoon locations;
 - c) a map of geologic features in vicinity;
 - d) a chart of north-south geologic cross-section through the site;
 - e) the total TCL volatiles and TCE on-site soils;
 - f) a map of TCE surface water sediments and spring sampling locations;

- g) a map of groundwater VOA's;
 - h) a table of groundwater elevations and head differentials;
 - i) a conceptual schematic.
29. Letter of transmittal to Mr. Jack Kelly, U.S. EPA, from Jim LaRegina, ERM, Inc., re: Soil boring logs, 10/3/89. P. 300831-300885. The logs are attached.
30. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Progress Report from 6/21/89-10/20/89, 10/20/89. P. 300886-300904. The Phase II Remedial Investigation Work Plan is attached.
31. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Reminding of Chemical Leaman's obligations under the Administrative Consent Order, 10/25/89. P. 300905-300906.
32. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Official notification of Monthly Report, outlining the activities up to 10/20/89, 11/9/89. P. 300907-300907.
33. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM Inc., re: Summary of operations of the past two weeks, 11/17/89. P. 300908-300910.
34. Letter to Mr. Jim LaRegina, ERM, Inc., from Mr. Jack Kelly, U.S. EPA, re: Transmittal of the report Fracture Trace Analysis, William Dick Lagoons and Blosenski Landfill Sites, 11/27/89. P. 300911-300951. The report is attached.
35. Handwritten list of attendees for CLTC - U.S. EPA Meeting, 12/5/89. P. 300952-301005. The following are attached:
- a) the conclusions of the analysis;
 - b) a site location map;
 - c) a map of the original lagoon configuration;
 - d) the monitoring well locations;

- e) the surface water and sediment sampling locations;
 - f) the residential sampling locations;
 - g) the location of prominent geologic features;
 - h) a chart of structural geophysical cross-sections;
 - i) a chart showing total VOC's and Trichloroethene detected in on-site soils;
 - j) a chart showing total TCL semivolatile compounds detected in on-site soils;
 - k) a listing of the total organics in groundwater;
 - l) two Total VOC Isoconcentration charts;
 - m) 39 data tables.
36. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. John F. Haasbeek, ERM, Inc., re: Draft sample clean-up level calculation, 1/17/90. P. 301006-301023. The calculations are attached.
 37. Tentative Agenda for EPA-CLTL Meeting, 1/23/90. P. 301024-301037. A draft outline, a draft final RI report outline, and a draft risk assessment report outline are attached.
 38. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Bruce J. Hartmann, Chemical Leaman Tank Lines, Inc., re: Due dates for RI/FS/RA reports, 1/22/90. P. 301038-301038.
 39. Letter to Ms. Kathy Davies, U.S. EPA, from Mr. John F. Haasbeek, ERM, Inc., re: Request for comments on the draft soil cleanup levels report, 1/29/90. P. 301039-301039.
 40. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Formal extension of the date for draft final RI/FS, 2/2/90. P. 301040-301040.
 41. Letter to Mr. Jim LaRegina, ERM, Inc., from Mr. Jack

- Kelly, U.S. EPA, re: Comparison of EPA/ERM split sampling techniques, 2/9/90. P. 301041-301042.
42. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Progress Report, covering 10/17/89-12/31/89, 2/13/90. P. 301043-301048.
 43. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Sampling of residential water supplies, 2/13/90. P. 301049-301050.
 44. Letter to Mr. Jim LaRegina, ERM, Inc., from Mr. Jack Kelly, U.S. EPA, re: Comments on the draft Interim RI, 2/14/90. P. 301051-301058. A portion of the draft is attached.
 45. Draft Agenda for CLTL-EPA Meeting, 2/22/90. P. 301059-301059.
 46. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. John R. Harrison, ERM, Inc., re: Draft Final RI/RA/FS Reports, 3/8/90. P. 301060-301062. A transmittal letter is attached.
 47. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Diann Sims, U.S. EPA, re: Review of Appendix I, 4/2/90. P. 301063-301063.
 48. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Dawn A. Ioven, U.S. EPA, re: Review of the Risk Assessment Report, 4/4/90. P. 301064-301067.
 49. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Susan G. McDowell, U.S. EPA, re: Additional comments on the RI/FS, 4/25/90. P. 301068-301068.
 50. Memorandum to Mr. Jack Kelly, U.S. EPA, from Mr. Paul R. de Percin, U.S. EPA, re: Application of low temperature thermal stripping to the William Dick Lagoons Site, 4/27/90. P. 301069-301072.
 51. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Kathryn Davies, U.S. EPA, re: Review and comments on the Lagoons RI Report, 5/1/90. P. 301073-301076.
 52. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Douglas A. Donor, U.S. EPA, re: Comments on the William Dick Lagoons RI/FS, 5/2/90. P. 301077-301086.

53. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Kathryn Davies, U.S. EPA, re: Comments on the Feasibility Study, 5/3/90. P. 301087-301089.
54. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Dawn A. Ioven, U.S. EPA, re: Soil clean-up levels, 5/8/90. P. 301090-301092.
55. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Lew Felleisen, U.S. EPA, re: Transmittal of comments on appendix E and F of the Risk Assessment, 5/14/90. P. 301093-301095. The comments are attached.
56. Letter to Ms. Dawn Ioven, U.S. EPA, from Mr. Jack Kelly, U.S. EPA, re: Risk assessment calculations for alternate water supply, 6/13/90. P. 301096-301099.
57. Letter to Mr. Robert Shertz, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Vacuum extraction proposal, 6/28/90. P. 301100-301101.
58. Letter to Mr. Robert Shertz, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Transmittal of proposed revisions, 7/11/90. P. 301102-301143.
59. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Dawn A. Ioven, U.S. EPA, re: Drinking Water Comparison, 7/24/90. P. 301144-301148.
60. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Brian K. Boyd, PADER, re: Preliminary list of state Applicable, Relevant and Appropriate Requirements, 8/1/90. P. 301149-301151.
61. Memorandum to Mr. Jack Kelly, U.S. EPA, from Mr. Dom DiGiulio, U.S. EPA, re: Application of vacuum extraction, 8/15/90. P. 301152-301152.
62. Memorandum to Mr. Jack Kelly, U.S. EPA, from Mr. Paul de Percin, U.S. EPA, re: Application of LTTS and revised soil cleanup criteria, 8/15/90. P. 301153-301153.
63. Memorandum to Mr. Jack Kelly, U.S. EPA, from Dom DiGiulio, U.S. EPA, re: Applicability of soil venting, 8/30/90. P. 301154-301156.

64. Letter to Mr. Robert Shertz, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Issues which require documentation and attention, 8/31/90. P. 301157-301160.
65. Memorandum to Mr. Jack Kelly, U.S. EPA, from Mr. Paul R. de Percin, U.S. EPA, re: Comments on revised soil cleanup criteria, 9/5/90. P. 301161-301161.
66. Letter to U.S. Department of Agriculture from Mr. Jack Kelly, U.S. EPA, re: Request for information on the presence of significant agricultural lands located near the William Dick Lagoons Superfund site, 9/13/90. P. 301162-301162.
67. Letter to Dr. Brent Glass, Pennsylvania Historical and Museum Commission, from Mr. Jack Kelly, U.S. EPA, re: Request for information on the presence of cultural resources, 9/13/90. P. 301163-301163.
68. Letter to Mr. Jerry Hassinger, Pennsylvania Game Commission, from Mr. Jack Kelly, U.S. EPA, re: Request for information on endangered or threatened species, 9/13/90. P. 301164-301164.
69. Letter to Ms. Kathy McKenna, Pennsylvania Bureau of Forestry, from Mr. Jack Kelly, U.S. EPA, re: Request for information on endangered or threatened species, 9/13/90. P. 301165-301165.
70. Letter to Mr. Clark Shiffer, Pennsylvania Fish Commission, from Mr. Jack Kelly, U.S. EPA, re: Request for information on endangered or threatened species, 9/13/90. P. 301166-301166.
71. Letter to Mr. Jack Kelly, U.S. EPA, from, Mr. Clark N. Shiffer, Pennsylvania Fish Commission, re: Response to request for information, 9/20/90. P. 301167-301167.
72. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. John F. Haasbeek, ERM, Inc., re: Calculations performed as requested by Chemical Leaman Tank Lines, 10/22/90. P. 301168-301170.
73. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Air emissions modeling task, 10/23/90.

P. 301171-301172.

74. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Memorandum which provides the results of the air emissions model for soil excavation and thermal treatment, 10/25/90. P. 301173-301183. A draft report for emissions modeling is attached.
75. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Kurt W. Carr, Pennsylvania Historical and Museum Commission, re: Historic or archaeological properties in the area of William Dick Lagoons, 10/26/90. P. 301184-301184.
76. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Jacob I. Sitlinger, Pennsylvania Game Commission, re: Review of the project in regard to state game lands and endangered species, 10/31/90. P. 301185-301185.
77. Letter to Mr. Brian Boyd, Pennsylvania Department of Environmental Resources (PADER), from Mr. Jack Kelly, U.S. EPA, re: Soil Cleanup Criteria, 11/7/90. P. 301186-301192. A table which identifies soil cleanup criteria is attached.
78. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Dawn A. Ioven, U.S. EPA, re: Comments on the air emissions model, 11/30/90. P. 301193-301193.
79. Memorandum to Ms. Donna Abrams, U.S. EPA, from Mr. Jack Kelly, U.S. EPA, re: Air Emissions Modeling Task, 12/10/90. P. 301194-301195.
80. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Nicholas I. Childs and Mr. Gregory K. Shkuda, Geraghty & Miller, Inc., re: Additional hydrogeologic investigations, 12/12/90. P. 301196-301201. A proposed well locations map is attached.
81. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Rotary kiln incineration systems, 12/13/90. P. 301202-301209. A memo containing the cost estimate for the rotary kiln incineration system is attached.
82. Letter to Mr. Robert Shertz, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Request for revised cost estimates for the Alternate Water Supply Alternatives, 12/13/90. P. 301210-301210.

83. Report: Source Elimination Biodegradation Treatability Screening Study, William Dick Lagoons Site, 12/27/90. P. 301211-301220. A transmittal letter is attached.
84. Dick Lagoons Phase II Cost Estimate Alternative S-6 Capital Cost, 1/9/91. P. 301221-301222. A facsimile cover page is attached.
85. Report: Draft Feasibility Study, prepared by ERM, Inc., 3/8/90. P. 301223-301536.
86. Report: Draft Final Remedial Investigation Report, prepared by ERM, Inc., 3/8/90. P. 301537-302114. A transmittal letter is attached.
87. Report: Draft Final Risk Assessment Report, prepared by ERM, Inc., 3/9/90. P. 302115-302774.
88. Report: Preliminary Final Feasibility Study Report for the William Dick Lagoons Site, prepared by ERM, Inc., 9/6/90. P. 302775-303153. A transmittal letter is attached.
89. Report: Preliminary Final Remedial Investigation Report, prepared by ERM, Inc., 9/6/90. P. 303154-303725. A transmittal letter is attached.
90. Report: Preliminary Final Risk Assessment Report, prepared by ERM, Inc., 9/6/90. P. 303726-304485. A transmittal letter is attached.
91. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Dawn A. Ioven, U.S. EPA, re: Certification of PRP Risk Assessment, 1/23/91. P. 304486-304486.
92. Letter to Resident from U.S. EPA, re: Missing page from the Proposed Remedial Action Plan, 1/31/91. P. 304487-304488. The missing page is attached.
93. Proposed Remedial Action Plan for William Dick Lagoons Site, West Caln Township, Pennsylvania, 2/91. P. 304489-304501.
94. Proposed Plan Summary, William Dick Lagoons Site, West Caln Township, Pennsylvania, 2/14/91. P. 304502-304510.
95. Letter to Ms. Joanne Mentzer, City of Coatesville

Authority, from Mr. Jack Kelly, U.S. EPA, re:
Extension of water line, 8/24/90. P. 304511-304512.

96. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Joanne B. Mentzer, City of Coatesville, re: Water main extension, 9/6/90. P. 304513-304514. A customer information sheet regarding rates is attached.
97. Letter to Mr. Robert Shertz, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Soil cleanup levels, 9/26/90. P. 304515-304518.
98. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. John F. Haasbeek, Environmental Resources Management, Inc., re: Reducing infiltration at the site, 10/22/90. P. 304519-304522. A table on required dilution factors is attached.
99. Letter to Mr. Tom McCafferty, Cedar Grove Environmental, from Mr. Jack Kelly, U.S. EPA, re: Coatesville water authority results, 11/30/90. P. 304523-304525. A letter is attached.
100. Source Elimination Biodegradation Treatability Screening Study, prepared by Geraghty & Miller, Inc., 12/90. P. 304526-304534.
101. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Nicholas I. Childs and Dr. Gregory K. Shkuda, Geraghty & Miller, Inc., re: Additional hydrogeologic investigations at the site, 12/12/90. P. 304535-304540. A proposed well locations map is attached.
102. Facsimile cover page to Mr. Jack Kelly, U.S. EPA, from Ms. Nancy Standley, Environmental Resources Management, Inc., re: Transmittal of revised cost estimates for William Dick Lagoons Site, 1/8/91. P. 304541-304552. Eleven revised cost estimate tables are attached.
103. Facsimile cover page to Mr. Jack Kelly, U.S. EPA, from Ms. Nancy Standley, ERM, Inc., re: Transmittal of revised cost estimates, 1/9/91. P. 304553-304554. A Phase II Cost Estimate Alternative S-6 Capital Cost table is attached.

104. Letter to Mr. Jack Kelley [sic], U.S. EPA, from Mr. Todd Duerr, Robert F. Harsch & Associates, Inc., re: Proposed EPA water main extension, 1/15/91. P. 304555-304559. A proposed EPA water main extension and a site sketch are attached.
105. Memorandum to Mr. Rex Miller and Mr. George Danyliw, Pennsylvania Department of Environmental Resources (PADER), from Mr. Jack Kelly, U.S. EPA, re: Soil cleanup criteria, 1/22/91. P. 304560-304571. The following are attached:
- a) handwritten information on the new soil cleanup criteria;
 - b) a letter regarding calculations to reduce infiltration at the site;
 - c) a table on required dilution factors;
 - d) a facsimile cover sheet;
 - e) a memorandum regarding high and low temperature stripping.
106. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Joseph A. Feola, PADER, re: Proposed remedial action plan #3, 1/25/91. P. 304572-304575.
107. Letter to Mr. Rex Miller, PADER, from Mr. Jack Kelly, U.S. EPA, re: Final proposed plan, 1/30/91. P. 304576-304581. A letter and a table on groundwater is attached.
108. Letter to Mr. Paul dePercin, U.S. EPA, from Mr. Jack Kelly, U.S. EPA, re: Thermal desorption at the site, 2/5/91. P. 304582-304582.
109. Meeting log, William Dick Lagoons Site, 2/6/91. P. 304583-304583.
110. Memorandum to Mr. Jack Kelly, U.S. EPA, from Mr. Paul dePercin, U.S. EPA, re: Application of thermal desorption at the site, 2/14/91. P. 304584-304584.
111. Letter to Mr. Ruben Rosenthal, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Soil cleanup criteria, 2/20/91. P. 304585-304601. Two letters, a table, and information on the Hydrologic

Evaluation of Landfill Performance (HELP) program are attached.

112. Letter to Mr. Rex Miller, PADER, from Mr. Jack Kelly, U.S. EPA, re: Protective cover at the site, 2/21/91. P. 304602-304602.
113. Memorandum to Mr. Jack Kelly, U.S. EPA, from Mr. Joseph W. Kunz, U.S. EPA, re: Draft air modeling analysis, 3/19/91. P. 304603-304607. EPA comments on the Draft Report of Air Emissions Modeling for soil excavation at the site are attached.
114. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Reuben M. Rosenthal, Chemical Leaman Tank Lines, Inc., re: Transmittal of Geraghty & Miller report on sampling of the Discrete Waste Layer at William Dick Lagoons Site, 3/26/91. P. 304608-304663. The report is attached.
115. Letter to Mr. Edwin B. Erickson, U.S. EPA, from Mr. Leon T. Gonshor, PADER, re: Letter of concurrence with the Record of Decision, 3/29/91. P. 304664-304666.
116. Letter to Ms. Joanne Mentzer, City of Coatesville Authority, from Mr. Jack Kelly, U.S. EPA, re: Extension of water line, 4/5/91. P. 304667-304668.
117. Letter to Mr. Jack Harrison, Environmental Resources Management, Inc., from Mr. Jack Kelly, U.S. EPA, re: Effective treatment technology for site soils, 4/11/91. P. 304669-304669.
118. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Joanne B. Mentzer, CCA, re: Extending the CCA water line, 4/16/91. P. 304670-304706. Six maps, twenty summary reports, and two lists of addresses are attached.
119. Letter to Ms. Louise Corrigan, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Revisions to the residential sampling program, 4/29/91. P. 304707-304708.
120. Handwritten memorandum to Ms. Kathy Davies, Pat Anderson, Ms. Dianne Walker, Mr. Dom DiGiulio, Mr. Eugene Dennis, Mr. Peter Schaul, U.S. EPA and Mr. Rex Miller, PADER, from Mr. Jack Kelly, U.S. EPA, re: Meeting on vacuum extraction presentation, 5/1/91. P. 304709-304709.

121. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Wayne G. "Ted" Reed, City of Coatesville Authority, re: Capacity fee for home water connection, 5/2/91. P. 304710-304710.
122. Letter to Ms. Joanne Mentzer, City of Coatesville Authority, from Mr. Jack Kelly, U.S. EPA, re: Alternate disinfection at Coatesville facilities, 5/6/91. P. 304711-304711.
123. Memorandum to Mr. Jack Kelly, U.S. EPA, from Ms. Kathy Davies, U.S. EPA, re: Comments on the additional hydrogeologic work at William Dick Lagoons, 5/9/91. P. 304712-304716. A facsimile transmission slip, handwritten comments, and two maps are attached.
124. Letter to Ms. Louise Corrigan, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Proposed hydrogeologic work, 5/10/91. P. 304717-304721. A memorandum and a map are attached.
125. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. David J. Merleno, City of Coatesville Authority, re: Chlorine dioxide and chloramines, 5/13/91. P. 304722-304722.
126. Handwritten meeting log on additional hydrogeologic work and residential sampling program, William Dick Lagoons Site, 5/16/91. P. 304723-304723.
127. Handwritten meeting log on vacuum extraction presentation, William Dick Lagoons Site, 5/16/91. P. 304724-304724.
128. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Steve Oster, Willkie Farr & Gallagher, re: Comments for inclusion in the administrative record, 5/24/91. P. 304725-304770. Comments by Chemical Leaman Tank Lines are attached.
129. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Steve Oster, Willkie Farr & Gallagher, re: Soil remedy and upcoming drinking water supply record of decision, 5/29/91. P. 304771-304771.
130. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Kate Fox, Science Applications International Corporation (SAIC), re: Risk characterization for excavation, 5/31/91. P. 304772-304775. Two tables are attached.

131. Memorandum to Mr. Jack Kelly, U.S. EPA, from ms. Nancy Standley, ERM, Inc., re: Cost estimates, 6/14/91. P. 304776-304804. The cost estimates are attached.
132. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Rex A. Miller, PADER, re: Documenting comments made by PADER in review of the draft Record of Decision (ROD), 6/24/91. P. 304805-304806.
133. Memorandum to file from Mr. Jack Kelly, U.S. EPA, re: Future regulatory proposals for trihalomethanes under the Safe Drinking Water Act, 6/28/91. P. 304807-304808.
134. Memorandum to file from Mr. Jack Kelly, U.S. EPA, re: Revised cost estimates, 6/28/91. P. 304809-304809.
135. Memorandum to Mr. Edwin B. Erickson, U.S. EPA, from Mr. Abraham Ferdas, U.S. EPA, re: Transmittal of and a revision made to the Record of Decision (ROD), 6/28/91. P. 304810-304811. A copy of the memorandum with concurrence signatures is attached.
136. Record of Decision, William Dick Lagoons Site, West Caln Township, Chester County, Pennsylvania, 6/28/91. P. 304812-304962. The following are attached:
 - a) Responsiveness Summary, William Dick Lagoons Site, Chester County, Pennsylvania;
 - b) Table 1, Ground Water Quality;
 - c) Table 2, Lagoon and Berm Area Soil Quality;
 - d) Table 3, Doixin Data Summary;
 - e) Table 4, Former Spray Irrigation Area Soil Quality;
 - f) Table 5, Surface Water Quality;
 - g) Table 6, Stream Sediment Quality;
 - h) Table 7, Summary of Chemicals of Concern in Each Medium;
 - i) Table 8, Exposure and Mitigation Pathways;
 - j) Table 9, Standard Parameters of Calculation

of Dosage and Intake;

- k) Table 10, Summary of Toxicological Information;
- l) Table 11, Summary of Carcinogenic Risk;
- m) Table 12, Summary of Noncarcinogenic Hazard Indices;
- n) Table 13, Estimated Costs for Extension of Water Line;
- o) Table 14, Estimated Costs for Groundwater Remedy;
- p) Figure 1, Site Location Map;
- q) Figure 2, Original Lagoon Configuration;
- r) Figure 3, The Nine Remediation Evaluation Criteria;
- s) Figure 4, Monitoring Well Locations;
- t) Figure 5, Surrounding Water Supplies Sampled to Date;
- u) Figure 6, Area of Site Related Impact;
- v) Figure 7, Soil Sampling Locations;
- w) Figure 8, Total VOC's and Trichloroethene Detected in On-Site Soils;
- x) Figure 9, Total TCL Semivolatile Compounds Detected in On-Site Soils;
- y) Figure 10, Surface Water and Sediment Sampling Locations;
- z) Appendix A, Summary Tables: Intake Calculations;

- aa) Appendix B;
- bb) Appendix C;

cc) Appendix D.

137. Letter to Mr. Edwin B. Erickson, U.S. EPA, from Mr. Leon T. Gonshor, PADER, re: PADER's concurrence with and comments on the Record of Decision, 7/17/91. P. 304963-304966.

IV. REMOVAL RESPONSE PROJECTS

1. Report: Weston-Sper Sampling Data for Wm. Dick Lagoon, prepared by Wastex Industries of NJ, Inc., 5/22/87. P. 400001-400356.
2. Report: Weston-Sper Sampling Data for Wm. Dick Lagoon, prepared by Wastex Industries of NJ, Inc., 5/22/87. P. 400357-400398.
3. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Corp., re: Residential Water Quality, 7/20/87. P. 400399-400401.
4. Memorandum to Mr. Michael Zickler, Sr., U.S. EPA, from Ms. Tracy Catanese, U.S. EPA, re: Transmittal of analytical results from residential well samples, 7/20/87. P. 400402-400406. The results are attached.
5. Telephone conversation record of Mr. Jack Kelly, U.S. EPA, with Mr. Jim Rakitsky, Chemical Leaman, re: Sampling results and status of sampling plan, 8/4/87. P. 400407-400407.
6. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Louise Corrigan, Chemical Leaman Tank Lines, Inc., re: Sampling conducted 7/23/87, 8/10/87. P. 400408-400421. The results are attached.
7. Letter to Mr. Richard Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly and Mr. Mike Mason, U.S. EPA, re: Letter documenting verbal agreement of work promised by Chemical Leaman, 8/21/87. P. 400422-400425.
8. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Susan K. Gilliland, ERM, Inc., re: Final Work Plan, 9/3/87. P. 400426-400454. The Final Work Plan is attached.
9. Letter to Mr. Richard Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Formal request for a Quality Assurance Project Plan (QAPP) and Health and Safety Plans, 9/15/87. P. 400455-400547. The QAPP is attached.
10. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Correspondence concerning residents, 10/20/87. P. 400548-400576. A letter, a location map, and a

pamphlet entitled, "Citizens Guide, Volatile Synthetic Organic Chemicals in Drinking Water" are attached.

11. Letter to Mr. Richard C. Littlepage, Chemical Leaman Tank Lines Inc., from Mr. Michael R. Mason, U.S. EPA, re: Specific comments on the Consent Agreement and Order, 10/16/87. P. 400577-400583. The Draft Health advisories are attached.
12. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Susan Gilliland, ERM, Inc., re: Fulfillment of request, 10/28/87. P. 400584-400584.
13. Proposed Sampling Tiers, proposed by Chemical Leaman, 10/29/87. P. 400585-400585.
14. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Susan K. Gilliland, ERM, Inc., re: Health & Safety Plan, 10/29/87. P. 400586-400623. The report entitled Health and Safety Plan for the Site Investigation at the William Dick Lagoon Site, West Caln Township is attached.
15. Letter to Mr. Michael R. Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Analytical results for the water supply samples from residences, 11/3/87. P. 400624-400729. The sampling data and results are attached.
16. Memorandum to Mr. Michael R. Mason from Ms. Claudia P. Walters, U.S. EPA, re: QA review for Draft Work Plan (WP) and Quality Assurance Project Plan (QAPP), 11/10/87. P. 400730-400748. The QAPP Review is attached.
17. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Bruce J. Hartmann, Chemical Leaman Tank Lines, Inc., re: Answer to drilling log requests, 11/16/87. P. 400749-400751. The drilling logs are attached.
18. Letter to Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Michael R. Mason, U.S. EPA, re: Establishment of categories for Work Plan, 12/10/87. P. 400752-400755.
19. Letter to Mr. Michael Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Notification of revised Work Plan, 12/22/87. P. 400756-400967. The report entitled, Quality

Assurance Project Plan for William Dick Lagoons, Residential Monitoring Program, West Caln Township, Chester County, Pennsylvania is attached.

20. Letter to Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Stephen R. Wassersug, U.S. EPA, re: Official Administrative Order, 1/22/88. P. 400968-400969. Two certified mail receipts are attached.
21. Letter to Mr. Donald Becker, Pennsylvania Department of Environmental Resources, from Mr. Stephen R. Wassersug, U.S. EPA, re: Copy of Consent Order, 1/22/88. P. 400970-400971. Two certified mail receipts are attached.
22. Transmittal memorandum to Mr. James M. Seif, from Mr. Stephen R. Wassersug, U.S. EPA, re: Consent Agreement and Order, 1/22/88. P. 400972-400985. The Consent Agreement and Order is attached.
23. Memorandum to Jack Kelly, U.S. EPA, from Ms. Jeanne Hankins, U.S. EPA, re: Validation of Data from William Dick Lagoon, 1/28/88. P. 400986-401066. The Organic Data Validation Case is attached.
24. Letter to Mr. Michael Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Announcement of analytical results, 2/1/88. P. 401067-401148. The results are attached.
25. Letter to Mr. Richard Littlepage, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Outline of reports and sampling activity, 2/10/88. P. 401149-401150.
26. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Draft Report, 2/24/88. P. 401151-401170. The report entitled William Dick Lagoons Site, Interim Sampling Report is attached.
27. Letter to Mr. Michael Mason, U.S. EPA, from Ms. Susan Gilliland, ERM, Inc., re: Residential Sampling Schedule, 2/29/88. P. 401171-401172. The Sampling Schedule is attached.

28. Letter to Mr. Michael Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Water samples, 3/4/88. P. 401173-401185. The sampling data and results are attached.
29. Letter to Mr. Michael R. Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Copies of communication for sampled residents, 3/10/88. P. 401186-401188. The list of residents and the sampling schedule are attached.
30. Letter to Mr. Michael R. Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Announcement of analysis results, 3/23/88. P. 401189-401208. The sampling data and results are attached.
31. Memorandum to Mr. Mike Mason from Mr. Daniel K. Donnelly, U.S. EPA, re: VOA results for William Dick Lagoon, 4/18/88. P. 401209-401217. Cover letter and water samples are attached.
32. Letter to Mr. Michael R. Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Water sampling analyses, 5/9/88. P. 401218-401240. The sampling data and results are attached.
33. Letter to Mr. Michael Mason, U.S. EPA, from Mr. David P. Steele and Ms. Susan Gilliland, ERM, Inc., re: Notes concerning the Work Plan, 5/10/88. P. 401241-401242.
34. Letter to Mr. Michael R. Mason, U.S. EPA, from Mr. Richard C. Littlepage, Chemical Leaman Tank Lines, Inc., re: Quarterly sample analytical results for the specific residents, 6/1/88. P. 401243-401321. The sampling data and results are attached.
35. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Draft Field Trip Report, 6/15/88. P. 401322-401349. The report entitled William Dick Lagoons Draft Field Trip Report is attached.

36. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Final Report, 6/28/88. P. 401350-401495. The report entitled, William Dick Lagoons Site, Final Sampling Analysis Report is attached.
37. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Draft Field Trip Report, 7/22/88. P. 401496-401508. The report entitled, Draft Field Trip Report, William Dick Lagoons Site, Chester County, Pennsylvania is attached.
38. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. David P. Steele and Mr. Ronald A. Landon, ERM, Inc., re: First Quarter Residential Ground Water Sampling Results, William Dick Lagoons Site, 8/1/88. P. 401509-401525. The results, a map of the vicinity, and an Analytic Quality Assurance Review are attached.
39. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Susan Gilliland, ERM, Inc., re: Second Quarter Residential Ground Water Sampling Results, 10/21/88. P. 401526-401540. An Analytical Quality Assurance Review is attached.
40. Memorandum to Mr. Jack Kelly from Ms. Theresa A. Simpson, U.S. EPA, re: Organic Data Validation for the Site, 3/2/89. P. 401541-401573. The data validation report is attached.
41. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Request modification of the residential well sampling program, 4/13/89. P. 401574-401587. The sampling summaries are attached.
42. Letter to Ms. Rose Harvell, U.S. EPA, from Mr. Bruce R. Pluta, CDM Federal Programs Corporation, re: Draft Field Report, 5/9/89. P. 401588-401643. The report entitled, Draft Field Report, William Dick Lagoons Site, Chester County, Pennsylvania is attached.
43. Letter to Mr. Jack Kelly from Ms. Theresa A. Simpson, U.S. EPA, re: Organic Data Validation, 6/5/89. P. 401644-401681. A data validation evaluation checklist and an organic data review are attached.
44. Residential Sampling Schedule and Analysis, 6/19/89. P. 401682-401685.

45. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Residential Water Supplies, 6/21/89. P. 401686-401831. The report entitled, Analytical Quality Assurance Review, William Dick Lagoons Site, Residential Sampling Programs, First Quarter, 1989 and a location map showing lagoons and surrounding water supplies sampled to date are attached.
46. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Bruce R. Pluta, CDM Federal Programs Corporation, re: Final Progress Letter Report, 6/29/89. P. 401832-401833.
47. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: Sampling data of June, 1989, 11/17/89. P. 401834-401835.
48. Memorandum to Ms. Debra Forman from Mr. Jack Kelly, U.S. EPA, re: Second quarter, 1989 sampling results, 12/13/89. P. 401836-401837.
49. Letter to Mr. Bruce Hartman [sic], Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Analytical results from two residential wells, 12/14/89. P. 401838-401843. The results are attached.
50. Letter to Mr. Bruce Hartmann, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, re: Request for additional residence to be sampled, 2/5/90. P. 401844-401844.
51. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Bruce J. Hartmann, Chemical Leaman Tank Lines, Inc., re: Results of Gibbins' well water sampling, 2/9/90. P. 401845-401845.
52. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, Environmental Resources Management, Inc., re: Third quarter residential sampling data, 2/13/90. P. 401846-402034. The sampling results are attached.
53. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina and Ms. Evelyn Borbely, ERM, Inc., re: Fourth quarter 1989 residential sampling data, 5/7/90. P. 402035-402132. The sampling results are attached.
54. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James

- LaRegina and Ms. Evelyn Borbely, ERM, Inc., re: Supplemental residential sampling data, 5/7/90. P. 402133-402247. The sampling results are attached.
55. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James LaRegina, ERM, Inc., re: First quarter 1990 residential sampling data, 10/2/90. P. 402248-402416. The sampling results are attached.
56. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Nicholas I. Childs and Dr. Gregory K. Shkuda, Geraghty & Miller, Inc., re: Residential sampling program, 2/8/91. P. 402417-402417.
57. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. James A. Goodrich, U.S. EPA, re: Microbiological build-up on granular activated carbon filters, 4/18/91. P. 402418-402418.
58. Letter to Ms. Louise Corrigan, Chemical Leaman Tank Lines, Inc., from Mr. Jack Kelly, U.S. EPA, re: Revisions to the residential sampling program, 4/29/91. P. 402419-402420.
59. Memorandum to Mr. Jack Kelly, U.S. EPA, from Mr. Jeffrey A. Dodd, U.S. EPA, re: Quality Assurance Project Plan Review, 5/2/91. P. 402421-402448. The Quality Assurance Project Plan Review is attached.
60. Letter to Mr. Jack Kelly, U.S. EPA, from Ms. Louise Corrigan, Chemical Leaman Tank Lines, Inc., re: Granular activated carbon units installed in residences, 5/14/91. P. 402449-402453. An automatic filter advertisement, a diagram of a sample valve hose connection, and an information sheet on the PVC Dome Plug are attached.
61. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Nicholas I. Childs and Dr. Gregory K. Shkuda, Geraghty & Miller, Inc., re: Residential water supply sampling results, 5/31/91. P. 402454-402465. The results are attached.
62. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Reuben M. Rosenthal, Chemical Leaman Tank Lines, Inc., re: Comments on residential sampling program, 6/3/91. P. 402466-402474. Analytical data from residential water sampling is attached.

V. COMMUNITY INVOLVEMENT/CONGRESSIONAL CORRESPONDENCE/IMAGERY

1. Press Release from U.S. EPA Environmental News entitled "U.S. EPA Issues a Consent Order to Chemical Leaman Tank Lines, Incorporated for Work at the William Dick Lagoon Site," 1/29/88. P. 500001-500001.
2. Public Meeting Agenda, re: Meeting held to explain Superfund process to meeting attendees and present site history and future activities, 2/17/88. P. 500002-500002.
3. Fact Sheet: William Dick Lagoons Site, West Caln Township, Pennsylvania, 7/90. P. 500003-500013.
4. Superfund update: William Dick Lagoons, West Caln Township, Pennsylvania, 12/90. P. 500014-500017.
5. Announcement of Public Meeting to Discuss the Strawman Rule for Disinfectants and Disinfection By-Products, prepared by Dr. Joseph A. Cotruvo, U.S. EPA, 9/28/89. P. 500018-500042. A routing and transmittal slip is attached.
6. Letter to Mr. Steve M. Oster, Willkie Farr & Gallagher, from Ms. Mary Anne Taufen, Gollatz, Griffin, Ewing & McCarthy, re: Similar contamination on adjoining Brandywine's property, 2/4/91. P. 500043-500044.
7. Handwritten notes, 2/15/91. P. 500045-500047.
8. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. Mark E. Cassel, Sierra Club, re: Comments on proposed remedial action plan, 2/19/91. P. 500048-500049.
9. Letter to Ms. Mary Anne Taufen, Gollatz, Griffin, Ewing & McCarthy, from Dr. James S. Smith, Trillium Inc., re: Comments on the proposed remedial action plan, 2/20/91. P. 500050-500051.
10. Handwritten letter to Mr. Jack Kelly, U.S. EPA, from Mr. Michael Bonjo, Philadelphia Gear Corporation, re: Comments on clean-up proposal, 2/2/91. P. 500052-500054. An envelope is attached.
11. Handwritten letter to Mr. Jack Kelly, U.S. EPA, from Mr. Joseph W. Moon, re: Comments on proposed remedial action plan, 2/24/91. P. 500055-500062.

12. Letter to Mr. Joseph Kelly, U.S. EPA, from Ms. Mary Anne Taufen, Gollatz, Griffin, Ewing & McCarthy, re: Comments on proposed remedial action plan, 2/25/91. P. 500063-500066.
13. Letter to Mr. Jack Kelly, U.S. EPA, from Mr. John A. Fitzpatrick, Mylotte, David & Fitzpatrick, re: Public comment of home owners, 2/26/91. P. 500067-500069.
14. Letter to Mr. John Kelly, U.S. EPA, from Mr. Steve Oster, Willkie Farr & Gallagher, re: Comments on proposed remedial action plan, 2/26/91. P. 500070-500084. The comments and a table on risk assessment are attached.
15. Letter to Ms. Elaine Spiewak, U.S. EPA, from Mr. Mark diFelicianantonio, CDM Federal Programs Corporation, re: Submittal of public meeting transcript, 3/1/91. P. 500085-500206. The public meeting transcript is attached.
16. Memorandum to file from Mr. Jack Kelly, U.S. EPA, re: Telephone survey of William Dick Lagoon Site residents, 6/26/91. P. 500207-500295. The "call-back" results are attached.
17. Map of William Dick Site, (undated.) P. 500296-500296.
18. Map of City of Coatesville Authority Water & Wastewater Service Area, (undated.) P. 500297-500297.
19. Map of West Caln Township, (undated.) P. 500298-500298.

SITE SPECIFIC GUIDANCE DOCUMENTS

1. Determining When Land Disposal Restrictions (LDRs) Are Applicable to CERCLA Response Actions, prepared by EPA, 7/89.
OSWER #9347.3-05FS
2. Overview of RCRA Land Disposal Restrictions, prepared by EPA, 7/89.
OSWER #9347.3-03FS
3. Treatment Standards and Minimum Technology Requirements Under Land Disposal Restrictions, prepared by EPA, 7/89.
OSWER #9347.3-03FS
4. Closure, Corrective Action, and the Land Disposal Restrictions, prepared by OSW, 9/1/89.
Reference: Implementing The Land Disposal Restrictions.
5. RCRA ARARs: Focus on Closure Requirements, prepared by EPA, 10/89.
OSWER #9234.2-04FS
6. Determining When Land Disposal Restrictions (LDRs) are Relevant and Appropriate to CERCLA Response Actions, prepared by EPA, 12/89.
OSWER #9347.3-08FS
7. Overview of ARARs, prepared by EPA, 12/89.
OSWER #9234.1-01 and 9234.1-02
8. Summary of Part II CAA, TSCA, and Other Statutes, prepared by EPA, 4/90.
OSWER #9234.2-07/FS
9. Obtaining a Soil and Debris Treatability Variance for Remedial Actions, prepared by EPA, 9/90.
OSWER #9347.3-06FS
10. CERCLA Compliance with RCRA Toxicity Characteristics (TC) Rule: Part II, prepared by EPA, 10/90.
OSWER #9347.3-11FS
11. Memorandum: Replacement of Contaminated Soil and Debris Treated under a Treatability Variance, prepared by EPA, 10/9/90. Memorandum regarding treatment standards is attached.

12. Suggested ROD Language for Various Ground Water Remediation Options, prepared by EPA, 10/10/90.
OSWER #9283.1-03
13. Memorandum: Considerations in Ground Water Remediation at Superfund Sites, prepared by EPA, 10/18/89.

BIBLIOGRAPHY OF SITE SPECIFIC GUIDANCE DOCUMENTS

1. Guidance Document for Providing Alternate Water Supplies, prepared by EPA, 2/88.